GOVERNMENT OF INDIA
PETROLEUM AND NATURAL GAS
LOK SABHA

UNSTARRED QUESTION NO:4596
ANSWERED ON:23.08.2001
TAPPING OF SOURCES OF ENERGY
RAGHUNATH JHA

Will the Minister of PETROLEUM AND NATURAL GAS be pleased to state:

(a) whether country is importing a large quantity of crude oil and is also not tapping other sources of energy being available in plenty in the country; and

(b) if so, the details of other sources of energy tapped and the outcome thereof?

Answer

MINISTER OF STATE IN THE MINISTRY OF PETROLEUM AND NATURAL GAS (SHRI SANTOSH KUMAR GANGWAR)

(a) and (b): Country is importing large quantity of crude oil. Government is also tapping up other sources of energy like :-

(i) Three pilot projects have been initiated by the Government to examine operational, financial and environmental impact of blending of ethanol with petrol. Once the outcome of these pilot projects are encouraging, permission will be given for blending of 5% of ethanol with MS which will result in saving.

(ii) Coal as a source of energy is being exploited for use by various sectors the main among them being Power, Steel, Cement etc. The total production of coal during 2000-01 in the country was 309 million tonnes (Prov.) Coal bed Methane (CBM) is also planned to be exploited.

(iii) The Ministry of Non-conventional Energy Sources is implementing wide ranging programmes to harness non-conventional energy sources such as solar, wind, small hydro and biomass for meeting the energy requirements for cooking, heating, lighting and electricity needs of the people in all States/UTs. That Ministry is also providing various fiscal, financial and promotional incentives such as central subsidy, 100% accelerated depreciation, concessional custom duty, excise duty/sales tax exemptions, soft term loans from India Renewable Energy Development Agency Ltd. (IREDA), conducive policies for wheeling, buy-back third party sale of renewable energy power etc. to attract private sector participation and to encourage use of various renewable energy systems/devices throughout the county. The details of estimated potential of various non-conventional energy sources and achievements made as on 31-3-2001 is given in the annexure.

ANNEXURE REFERRED TO IN REPLY TO PARTS (a) AND (b) OF LOK SABHA UNSTARRED QUESTION No. 4596 23.8.2001
ESTIMATED POTENTIAL OF NON-CONVENTIONAL ENERGY SOURCES AND ACHIEVEMENTS MADE UNDER V/ NON-CONVENTIONAL ENERGY PROGRAMMES IN THE COUNTRY AS ON 31.3.2001.

Source/System	Approximate Potential (as on 31.3.2001)	Achievement
1. Biogas plants (No.)	120 lakh	32 lakh
2. Improved Chulha (No.)	12 crore	338.11 lakh
3. a. Biomass Power	19.500 MW	292.30 MW
b. Biomass Gasifier		40.18 MW
4. Solar Photovoltaic	20MW/sq.km.	
(i) Solar Street Lighting Systems	-	41403 Nos.
(ii) Home Lighting Systems	-	152180 Nos.

(iii) Solar Lanterns - 350531 Nos.

(iv) SPV Power Plants - 1132 kWp

5. Solar Water Heating Systems	30 million sq.m Collector area	5,90,000sq.m Collector area	
6. Solar Cookers	-	5,10,000 Nos.	
7 Solar PV Pumps	-	4148 Nos.	
8. Solar Photovoltaic Power	-	1.6 MW	
9. Wind Power	45,000 MW	1340 MW	
10. Small Hydro Power (upto 25 MW)	15,000 MW	1353.85 MW	
11. Wind Pumps	714 Nos.		
12. Hybrid Systems	91.5 KW		
13. Energy Recovery from wastes	1700 MW	16.2 MW	
14. Battery Operated Vehicles	240 Nos.		

MW = Mega watt
kw = Kilo watt
kWp = Kilo watt peak
Sq.Km. = Square Kilometers
Sq. m. = Square meter.